

THE MARION LINE

Marion Metal Buildings,
Tool Safes, Engine
Houses, Garages
Filling Stations
Etc.

All Inquiries Should Be Addressed To

H. O. TRERICE CO.

District Managers

1338 W. Lafayette Blvd., DETROIT, MICH.

TELEPHONE
CADILLAC 8177

Night Calls
Garfield 3460-W



Digitized by:



ASSOCIATION
FOR
PRESERVATION
TECHNOLOGY,
INTERNATIONAL

www.apti.org

BUILDING
TECHNOLOGY
HERITAGE
LIBRARY

<https://archive.org/details/buildingtechnologyheritagelibrary>

From the collection of:

Jim Draeger

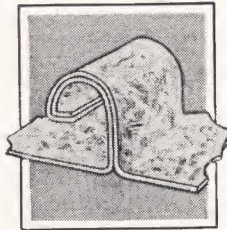
SECTION NUMBER SEVEN



Marion Metal Buildings

for

The Oil Field, Industrial Plants, Railroads
Filling Stations, Garages, Etc.



FACTORY BRANCHES

Dallas, Texas
Luling, Texas
Olney, Texas
Moran, Texas
Laredo, Texas
Burkburnett, Texas
Breckenridge, Texas
Panhandle, Texas

Scottsdale, Pa.
Bradford, Pa.
Eureka, Kan.
Eldorado, Ark.
Smackover, Ark.
Long Beach, Calif.
Bristow, Okla.
Ranger, Texas
Kevin, Montana

Drumright, Oklahoma
Wilson, Oklahoma
Tonkawa, Oklahoma
Okemah, Oklahoma
Ardmore, Oklahoma
Tulsa, Oklahoma
Duncan, Oklahoma
Salt Creek, Wyoming

Marion Machine, Foundry and Supply Company

Marion, Indiana, U. S. A.



Fig. 384

SATISFYING A NEED

THERE has long been a great need for a certain type of small building that is best described as strong and durable, simple and light in construction, easy to erect, portable, weather-proof, fire-proof, rust-resisting, inexpensive, adaptable to any use and capable of being furnished in any size by virtue of being produced in standard sections.

It is one thing to describe the type of building needed; but quite another thing to design buildings that meet all of the requirements. Yet if the need is great enough, in any instance of this kind, the exact article wanted will at length be placed upon the market. And that is just what has happened in the case of Marion Metal Buildings.

Marion Metal Buildings represent a genuinely new idea in building construction—so new that a patent has been granted on the Marion method of interlocking joint construction. This one patented idea was the key feature which made possible a design that meets each and every one of the requirements as enumerated in the first paragraph above.

The result is the placing upon the market, at a price within the reach of all (individual or corporation), a new type of metal building, the Marion, capable of universal use for the home, farm, contractor, retail store, industrial plant, mine and oil well and for the railroad and interurban.

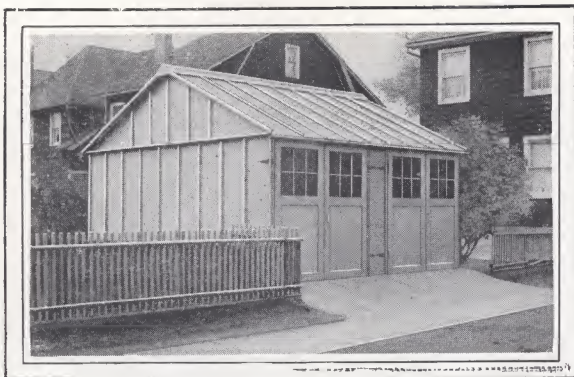


Fig. 385

The basic idea of the Marion is a patented interlocking construction of the joints that gives strength, light weight, portability, ease of erection and good appearance.

This Marion interlocking joint is very simple. By a slight curling of the edges of each section of metal, you hook one section into another so that you immediately have a strong, weatherproof joint. It is so simple that a pair of pliers, a screw-driver, and a hammer are the only tools needed to erect a Marion Building.

The various metal pieces used in the walls and roof are so shaped as to form a weatherproof joint and to form at the same time a frame or superstructure of great strength. In other words, no material is used to join any two pieces of metal—they form their own joint and they form their own frame.

In order to have a clear general idea of what a Marion metal building is like, it is only necessary to consider how the Marion interlocking joint effects such desirable qualities as lightness, quickness of erection, strength, good appearance, etc.

LIGHTNESS

Each metal section locks into the section on either side of it, the joints being so designed that the sections require no frame for support. Hence a great weight of structural iron and bolts that usually must be employed is entirely eliminated. The weight of the entire building is less than the weight of any other metal building of the same gauge of metal. The weight of no individual section, excepting the doors and ridge bar is over twenty-five pounds.

SIMPLICITY OF CONSTRUCTION— QUICKNESS OF ERECTION

The Marion interlocking joint, in addition to eliminating a heavy frame of structural iron, makes it unnecessary for adjoining sections to be fastened together by bolts. They simply lock themselves together. Each wall section has two bolts at the sill and two at the eaves. Each roof section has two bolts at the eaves and two at the ridge. With the exception of the bolts for hanging the doors, these are all that are used. One man and a helper can easily erect an ordinary Marion building in one day, and can, if the occasion requires, take it down and set it up somewhere else just as easily. Over short distances, the building may be moved bodily without being taken apart.

Windows and doors can be located in the walls to suit the peculiar requirements of any condition.



Fig. 387

STRENGTH AND RIGIDITY

A Marion building is as firm and enduring as any permanent building of its size. This is due to the Marion interlocking joint. In this joint lies strength to carry any snow-load. The strength is there, without the weight, and it is far more durable than corrugated sheets on a structural iron frame.

So far as appearance is concerned the Marion joint lends architectural beauty to the design. The joints divide the outside of the building into neat panels quite different from the flat uninteresting surface of corrugated sheets. On the inside you have a perfectly smooth wall.

The eaves and windows are well designed. The doors are well hung and fitted with Yale type locks. The outside may be painted attractively and the inside papered or even lined with wall board.

WEATHERPROOF, FIREPROOF

The moment you lock two sections together you have an absolutely weather-proof joint. The elasticity of the metal binds them together. They are water tight. You can't get through them with a fire hose. The eaves extend across the gables as well as over the side walls, so that no water can get in over the doors. Being made entirely of metal, Marion buildings are absolutely fire-proof.

DURABLE, RUST-RESISTING

The greatest inherent defect of metal buildings has been overcome in the Marion Buildings. Only rust-resisting metal of the highest quality is used in Marion buildings. This special metal defies rust and depreciation.

Old style metal buildings rusted out so quickly that they did not last as long as wood. No paint is required, and none should be applied until the building has been weathered for a year.

This feature is one of the most important advantages of Marion buildings and one that has a direct bearing on the question of economy. They last longer.

OIL PRODUCERS AND FILLING STATIONS

A boom town in a mining or oil district might be built of Marion buildings entirely, serving for bunk houses, stores, etc. Fear of fire is eliminated by their use. In the production of oil, where wells may become exhausted and unprofitable for further working, the use of buildings that can be taken down, removed to a new location and set up again is essential. Such buildings must also be of sturdy construction. Flimsy affairs are impossible.

Many of these buildings are of small types—exactly the Marion type, made of metal, strong, light in weight and as easily taken apart for moving as it is assembled for use.

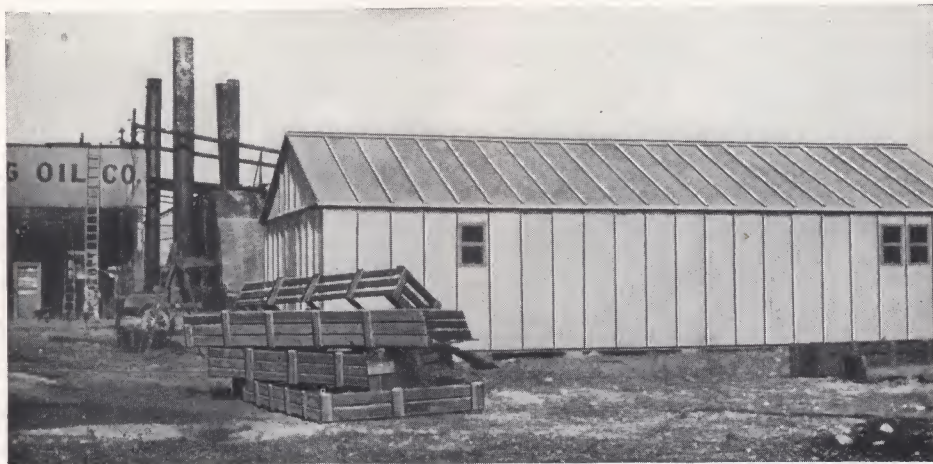


Fig. 383

MARION METAL BUILDINGS

Are used by oil companies for many purposes.

Around Caslinghead gasoline engine plants for:

Vacuum Plants
Compression Plants
Machine Shops

Refrigerating
Plants
Pump Houses

Meter Houses
Garages
Laboratories

At Refineries for:

Sheds for Stills
Tail Houses
Machine Shops
Pipe Shops

Car Shops
Paint Shops
Wax Plants
Pump Houses

Power Houses
Boiler Houses
Auxiliaries
Garages

In the distributing or marketing division for:

Compounding
Plants
Grease Plants

Warehouses
Bulk or Wholesale
Filling Stations

"Drive-In" or Re-
tail Filling Stations
Garages

Such buildings are used in the producing fields for:

Engine Houses
Warehouses

Machine Shops
Gathering Line
Pump Stations

Bunk Houses
Stores

Along pipe line systems for:

Line Pump
Stations

Repair Crew
Depots

Machine Shops
Garages

Progressive oil companies no longer build rude shacks of flimsy construction and ugly appearance. Towns and colonies are laid out along modern lines, and rigid supervision is exercised over the type of buildings erected.

Marion Metal Buildings have been welcomed in all fields where they have been introduced. Thousands of buildings of all types have been purchased by large oil companies. These buildings are adapted for use all the way from housing engines and pumps at the wells, to the neat and most practicable filling stations which can be procured.

The Marion building is fire-proof and permanent. In design it is beautiful as well as practical. In case of necessity it can be moved to another location just as quickly, and when set up again will be just as strong as it was before. Yet it is a permanent structure that will last for years.

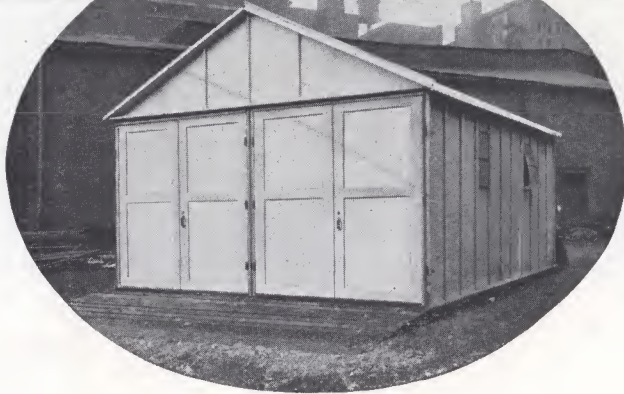
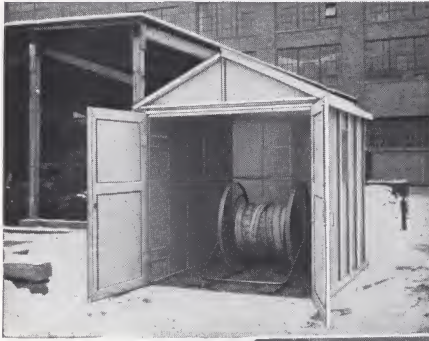


Fig. 389

A FIRE-PROOF BUILDING

Wire glass windows are standard equipment with Marion Metal Buildings, absolutely confining any fire within the building.

The tightness of the lock joints prevents smoke from seeping through and also cuts down draft of any kind so that a fire though burning very intensely, is unable to blaze away as would be the case with a wooden building.

The protection from these two sources prevents the spread of fire to adjoining wooden buildings.

The Marion metal partitions absolutely stops fire within from spreading.

The patented interlocking joints, while holding flames within the building, are still flexible enough to allow for the expansion under the heat of the flames and the roof sheets and the sidewall sheets will hold their form absolutely true which would not be the case with corrugated iron nailed onto a studding or framework of any kind.

SHIPPING MARION BUILDINGS

Marion buildings are not heavy, massive or clumsy. When taken apart they pack into incredibly small space and weigh a surprisingly small amount. This particularly adapts them for being shipped from the factory to you, and later for being shipped from place to place if your needs require it.

This economy of shipping space and weight facilitates shipping and lowers freight charges. When the building comes to you, you are given a full set of instructions together with an erection chart that makes the putting up of a Marion a very simple matter.

The parts are shipped securely crated and are numbered. No time is lost after the building has been received.

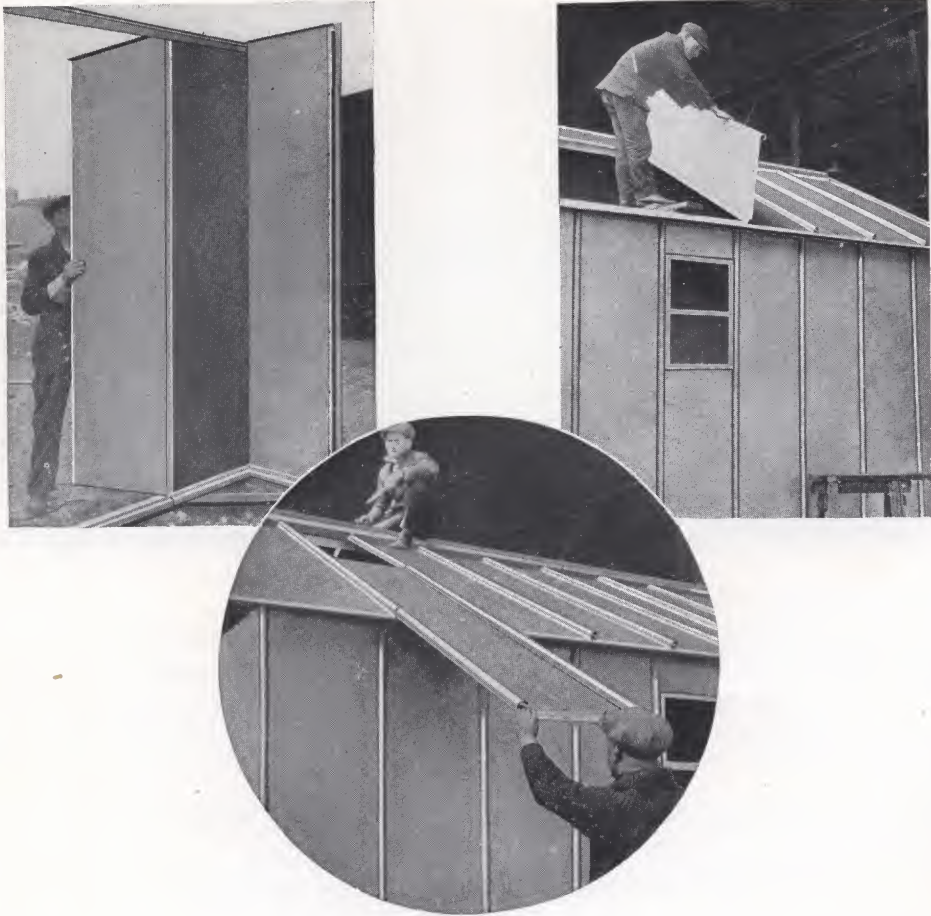


Fig. 390

TO MEET AN URGENT DEMAND

Marion Metal Buildings are especially adapted to meet an urgent demand arising when a building has to be put up quickly. Even before plans can be drawn for a frame building to be erected by usual methods and long before any work can be done, a Marion can be shipped to the site, be put up and occupied. This feature is of great advantage in meeting some unexpected demand for shelter arising in an industrial plant or to replace a building destroyed by fire or in any emergency where speed is essential.

We are glad to cooperate with our customers in shipping a metal building at the earliest possible moment where a need for haste exists.

Marions may be erected on the simplest kind of a foundation. A 4" x 4" wooden base placed on the ground is sufficient. Or a concrete base with angle sill may be used if for permanent use.

As good an idea as can be obtained of the simplicity of locking one panel into another is shown by the several photographs at top of this page. One shows a wall section about to be folded into place. The patented inter-locking joint has been meshed with the joint of the preceding section, and the mere folding of it into place, locks the joint permanently, making it weather-proof and forming the equivalent of an upright tube which takes the place of structural iron superstructure.

As already stated, the process of erection is so simple, the instructions so clear and definite, the weight of the individual pieces of metal so light and the bolts necessary are so few that one man, without previous experience, and one helper can erect a Marion in a day.



Fig. 391

SOME DETAILS OF CONSTRUCTION

Width of panels. Each panel is $22\frac{1}{2}$ " wide in place.

Height of wall panels. Panels are furnished in three heights: 7' 10", 9' 10" and 11' 10". If greater height is desired, the building may be erected on a built-up curb.

Size of buildings. A building can be made any size from two panels square, up.

Length of building. A Marion can be made of indefinite length merely by adding more sections.

Width of building. Marion Buildings can be made in any width, from 3' 9" to 30' 0" single span.

DETAILS OF DOORS, WINDOWS, FOUNDATIONS, Etc.

The strength of the doors, a part ordinarily neglected, is one of the superior features of Marion construction.

All doors are constructed from well dried heavy wood frames, preventing warping, and covered with the same high grade rust-resisting metal used in the building proper. Cross bracing for varying heights strengthens the doors still more.

Hinges of substantial size, carefully sherardized to resist rust, absolutely eliminate "sagging" of the doors.

All doors are furnished complete with Yale type spring locks and two keys when ordered.

Double doors are also furnished with top bolt and toe bolt so that one door can be kept closed.

Single or double doors can be furnished in heights and widths to meet customers' requirements, and located wherever desired.

If desired the doors can be supplied with Door Windows. These windows contain six lights, each 11" x 15", in a rust-proofed sash, securely anchored in the door itself. No amount of jarring can displace it. Clips, welded on the sash, hold the glass securely in place.



Fig. 392

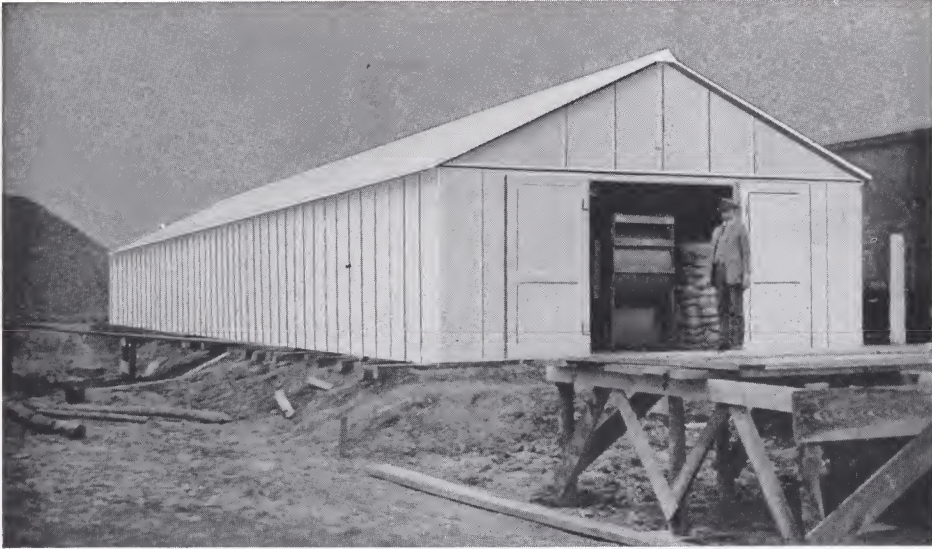


Fig. 393

Standard sidewall windows are placed in panels which are interchangeable with regular wall panels, so that all windows can be concentrated in one wall, or scattered through all sides as desired. The standard window, 18" x 28", is made of heavy angle iron, is top hung, and the operating rod permits it to be opened to a number of positions.

Putty and $\frac{1}{4}$ " wire glass are regularly furnished.

Special large windows such as are used in factories, warehouses, filling stations, etc., can readily be furnished if desired. These are completely assembled when shipped and erected without difficulty.

For more or less permanent installations or for large buildings, the concrete foundation is recommended. Erecting instructions which we furnish give detailed data covering its construction, including the location of the anchor bolts. After the sill is bolted to the foundation and the small space between them filled with thin cement, erection of the building proceeds exactly the same as though placed on a plain wooden sill.

Even though securely anchored and permanent in every way, if desired, a Marion Metal Building on a foundation of this kind can be knocked down and moved, without difficulty or loss of any part except the wooden sill.

While we furnish definite details covering foundation layouts after specification is received, the two types shown are probably the most widely used.

For temporary installations a 4" x 4" wooden sill placed directly on the ground is sufficient in most cases. After squaring the foundation as shown in the erecting instructions furnished with each building, the construction will proceed with extreme ease. Buildings on foundations of this kind are readily portable and every part can be salvaged, even including the sills.

The detail of the section through the eaves at the sidewall will give a comprehensive idea of the simple construction and the ease of erecting Marion Metal Buildings. Two bolts in each sidewall panel, two bolts in each roof panel at this point, give the building strength, rigidity and tightness.

All bolts and nuts are sherardized and all raw metal edges protected from the weather, so there are no ugly rust streaks on Marion Metal Buildings after being in service a few weeks.

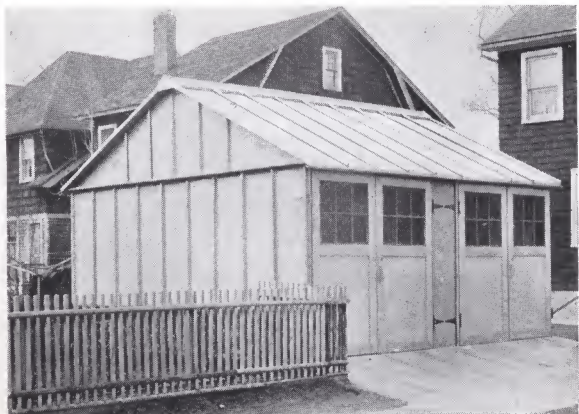


Fig. 394

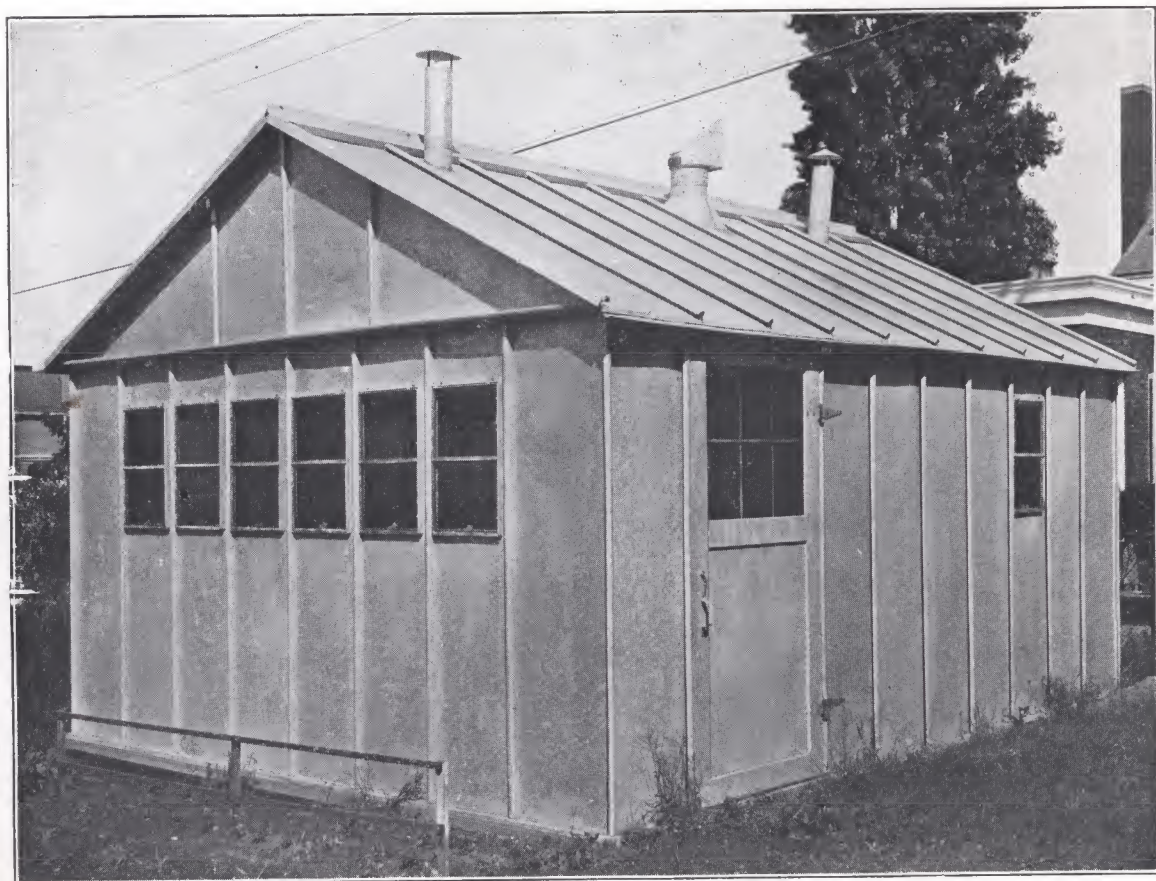


Fig. 395

WAREHOUSES

As Marion Metal Buildings are absolutely weather-proof, they make excellent, safe warehouses for practically any kind of merchandise. In addition, being fire-proof, they offer protection from fire, and if necessary may be ventilated with Marion Rotary Ball Bearing ventilators.

Sometimes unusually large amounts of raw material or goods are purchased to take advantage of favorable market conditions or to insure a future supply when a period of scarcity threatens. Then the quickness with which a Marion can be erected recommends it to help solve emergency warehousing problems.

A Marion may be considered an emergency or temporary affair in that it is portable and may be taken down as easily as it is put up. On the other hand, it is so strong, durable and rust-resisting that it may be also thought of as a permanent structure that will last for years.

For either temporary or permanent warehousing, it offers at a low price all of the requirements that a warehouse should have, whether it is for a farmer, retail store, manufacturer, oil company or railroad.

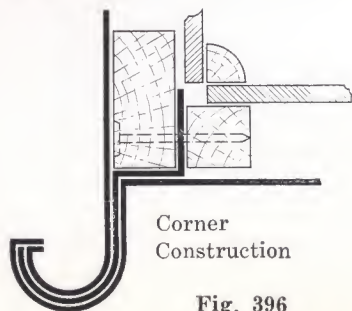


Fig. 396

This cut shows how wall board is put on metal buildings

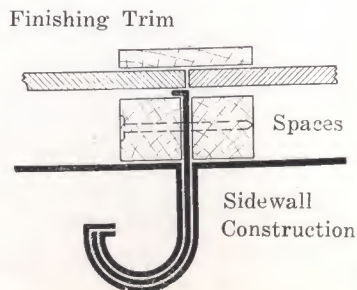


Fig. 397

HOW A MARION IS PUT UP

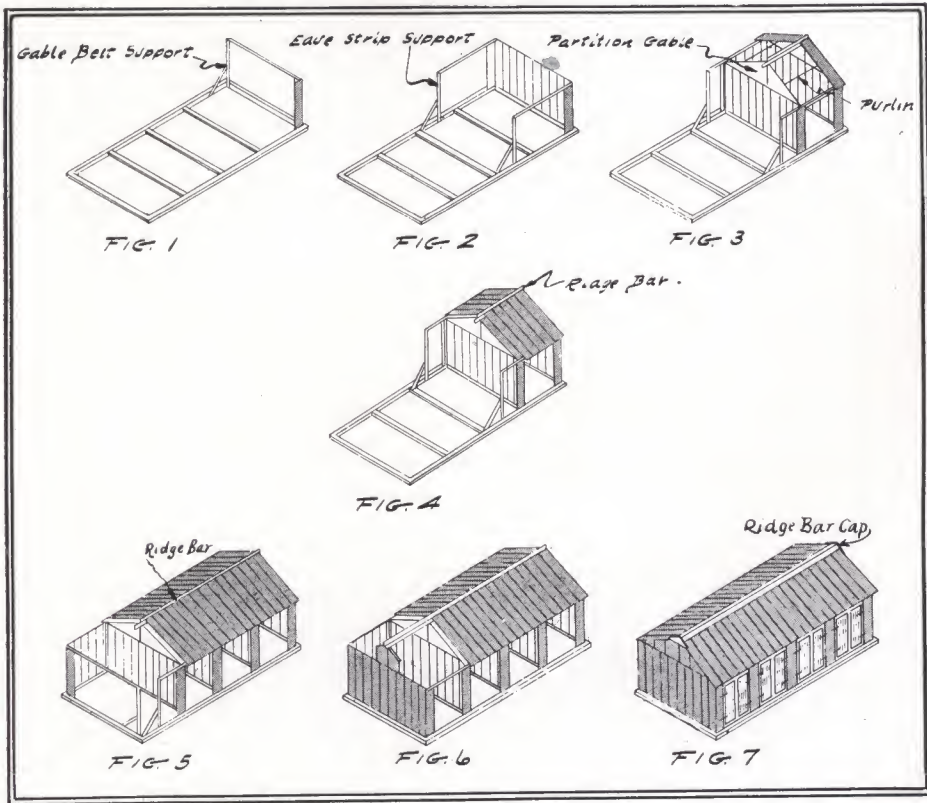


Fig. 398

Drawing That Accompanies Each Building

IN a book of this kind it might be perfectly fair to show you the easiest possible case of putting up a Marion. But we have chosen instead to illustrate the most difficult case, believing that even here in limited space we can show how easy even this one is and thereby establish the fact that a Marion is the easiest building to erect in existence, bar none.

Above we illustrate the chart that accompanies a multiple garage, having solid partitions between each section. With this chart are furnished complete instructions that go into detail, referring to the different pieces of metal by number.

It is impossible to give a typical set of instructions here, but let us quote one paragraph so that you can see how you are directed to proceed, step by step, and how you are guarded against error by the numbering of every piece of metal in the building.

"Erecting Side Wall Figs. 1-2-3-4. Start at the extreme right of left side (same as with sill covers) with wall panel right or door No. 1006, lock a standard wall panel No. 1001 in the right-hand side roll of No. 1006, and swing the standard wall panel No. 1001 around, completing the left side, right-hand corner. Bolt or screw bottom edges to sill.

HOW TO LINE MARION METAL BUILDINGS

Where a wall board lining is desired for Marion Metal Buildings, spacers are furnished which are locked in the standard joints while the building is being erected. To these spacers, the wall board can be nailed. This gives a dead air space between the wall, which acts as a buffer between the inside and outside temperature. The drawings will make this clear.

MARION VENTILATORS

Where desired, Marion Metal Buildings can be equipped with Marion Ball Bearing Ventilators.

These ventilators provide perfect ventilation. The wind does the work, causing a continuous flow of air to be forced up and out. The Marion always faces away from the wind. Even if the air currents change rapidly the non-corrosive ball bearings take care of that and enables the ventilator to change its position with the merest zephyr and to do it quietly. This principle creates a continuous suction as the breezes go by. Consequently, there is a constant flow of air with no possibility of back draughts or return currents.

Marion ventilators are storm and dust-proof and built of special rust-resisting material over a sturdy frame of angle iron. They will last as long as the building where they are installed.



INDUSTRIAL BUILDINGS
NO DOORS OR WINDOWS INCLUDED

Building Model No.	Width	Length	7' 10" High to Eaves		9' 10" High to Eaves		11' 10" High to Eaves	
			Ship. Wt.	List Price	Ship. Wt.	List Price	Ship. Wt.	List Price
44	7' 6"	6' 6"	960	\$151.80	1230	\$184.60	1400	\$209.60
45		8' 4½"	1100	173.20	1400	207.80	1590	238.20
46		10' 3"	1240	194.60	1570	231.00	1780	266.80
47		12' 1½"	1380	216.00	1740	254.20	1970	295.40
48		14' 0"	1520	237.40	1910	277.40	2160	324.00
49		15' 10½"	1660	258.80	2080	300.60	2350	352.60
410		17' 9"	1800	280.20	2250	323.80	2540	381.20
411		19' 7½"	1940	301.60	2420	347.00	2730	409.80
412		21' 6"	2080	323.00	2590	370.20	2920	438.40

For each additional section, add following:

7' 6"	22½"	140	21.40	170	23.20	190	28.60
-------	------	-----	-------	-----	-------	-----	-------

For each partition to eaves across width of building, add following:

7' 6"		160	34.60	228	43.00	272	52.00
-------	--	-----	-------	-----	-------	-----	-------

For each partition to roof across width of building, add following:

7' 6"		206	50.40	268	53.80	312	67.80
-------	--	-----	-------	-----	-------	-----	-------

For Windows see Page 208.

For Doors see Page 210.

Building Model No.	Width	Length	7' 10" High to Eaves		9' 10" High to Eaves		11' 10" High to Eaves	
			Ship. Wt.	List Price	Ship. Wt.	List Price	Ship. Wt.	List Price
55	9' 4½"	8' 4½"	1225	\$192.20	1595	\$233.20	1815	\$264.60
56		10' 3"	1375	214.00	1775	259.00	2020	193.60
57		12' 1½"	1525	235.80	1955	284.80	2225	322.60
58		14' 0"	1675	257.60	2135	310.60	2430	351.60
59		15' 10½"	1825	279.40	2315	336.40	2635	380.60
510		17' 9"	1975	301.20	2495	364.20	2840	409.60
511		19' 7½"	2125	323.00	2675	388.00	3045	438.60
512		21' 6"	2275	344.80	2855	413.80	3250	467.60

For each additional section, add following:

9' 4½"	22½"	150	21.80	180	25.80	205	29.00
--------	------	-----	-------	-----	-------	-----	-------

For each partition to eaves across width of building, add following:

		205	40.70	285	51.00	340	62.00
--	--	-----	-------	-----	-------	-----	-------

For each partition to roof across width of building, add following:

		255	61.30	335	71.60	390	82.60
--	--	-----	-------	-----	-------	-----	-------

For Windows see Page 208.

For Doors see Page 210.

Building Model No.	Width	Length	7' 10" High to Eaves		9' 10" High to Eaves		11' 10" High to Eaves	
			Ship. Wt.	List Price	Ship. Wt.	List Price	Ship. Wt.	List Price
66	11' 3"	10' 3"	1640	\$241.60	2035	\$291.00	2300	\$328.00
67		12' 1½"	1805	264.80	2235	318.40	2520	358.40
68		14' 0"	1970	288.00	2435	345.80	2740	388.80
69		15' 10½"	2135	311.20	2635	373.20	2960	419.20
610		17' 9"	2300	334.40	2835	400.60	3180	449.60
611		19' 7½"	2465	357.60	3035	428.00	3400	480.00
612		21' 6"	2630	380.80	3235	455.40	3620	510.40
613		23' 4½"	2795	404.00	3435	482.80	3840	540.80
614		25' 3"	2960	427.20	3635	510.20	4060	571.20

For each additional section, add following:

22½"	165	23.20	200	27.40	220	31.40
------	-----	-------	-----	-------	-----	-------

For each partition to eaves across width of building, add following:

	246	46.80	342	59.00	408	72.00
--	-----	-------	-----	-------	-----	-------

For each partition to roof across width of building, add following:

	306	69.60	402	81.80	468	94.80
--	-----	-------	-----	-------	-----	-------

For Windows see Page 208.

For Doors see Page 210.

INDUSTRIAL BUILDINGS
NO DOORS OR WINDOWS INCLUDED

Building Model No.	Width	Length	7' 10" High to Eaves		9' 10" High to Eaves		11' 10" High to Eaves	
			Ship. Wt.	List Price	Ship. Wt.	List Price	Ship. Wt.	List Price
77	13' 1½"	12' 1½"	1900	\$283.20	2385	\$340.40	2585	\$384.00
78		14' 0"	2065	306.80	2585	368.20	2805	415.40
79		15' 10½"	2230	330.40	2785	396.00	3025	446.80
710		17' 9"	2395	354.00	2985	423.80	3245	478.20
711		19' 7½"	2560	377.60	3185	451.60	3465	509.60
712		21' 6"	2725	401.20	3385	479.40	3685	541.00
713		23' 4½"	2890	424.80	3585	507.20	3905	572.40
714		25' 3"	3055	448.40	3785	535.00	4125	603.80

For each additional section, add following:

22½"	165	23.60	200	27.80	220	31.40
------	-----	-------	-----	-------	-----	-------

For each partition to eaves across width of building, add following:

287	52.90	399	67.00	476	82.00
-----	-------	-----	-------	-----	-------

For each partition to roof across width of building, add following:

362	81.30	474	96.40	551	110.40
-----	-------	-----	-------	-----	--------

For Windows see Page 208.

For Doors see Page 210.

Building Model No.	Width	Length	7' 10" High to Eaves		9' 10" High to Eaves		11' 10" High to Eaves	
			Ship. Wt.	List Price	Ship. Wt.	List Price	Ship. Wt.	List Price
88	15' 0"	14' 0"	2330	\$366.50	2860	\$431.80	3210	\$482.00
89		15' 10½"	2535	394.00	3095	463.20	3470	516.60
810		17' 9"	2740	421.40	3330	494.60	3730	551.20
811		19' 7½"	2945	448.80	3565	526.00	3990	585.80
812		21' 6"	3370	541.30	4240	628.10	4520	703.50
813		23' 4½"	3575	568.70	4275	659.50	4780	738.10
814		25' 3"	4000	661.20	4750	761.60	5310	855.80
815		27' 1½"	4205	688.60	4985	793.00	5570	890.40
816		29' 0"	4410	716.00	5220	824.40	5830	925.00
818		32' 9"	4820	770.80	5690	887.20	6350	994.20
821		38' 4½"	5655	918.10	6635	1052.10	7400	1181.10
824		44' 0"	6270	1000.30	7340	1146.30	8180	1284.80
830		55' 3"	7720	1229.80	8990	1405.40	10010	1575.60
836		66' 6"	9170	1459.30	10640	1664.50	11840	1866.30
842		77' 9"	10620	1688.80	12290	1923.60	13670	2157.00
848		89' 9"	12070	1918.30	13940	2182.70	15500	2447.70
854		100' 3"	13520	2147.80	15590	2441.80	17330	2738.40

For each additional unit of 6 panels (smaller than 6 panel units cannot be made),
add following:

11' 3"	1450	229.50	1650	259.10	1830	290.70
--------	------	--------	------	--------	------	--------

For each partition to eaves, add following:

328	59.00	456	75.00	544	92.00
-----	-------	-----	-------	-----	-------

For each partition to roof, add following:

418	93.60	546	109.60	634	126.60
-----	-------	-----	--------	-----	--------

Partition to roof will replace one truss and two columns if located where truss should
be. When such is the case, for each partition to roof, add following:

198	28.50	306	38.90	364	43.50
-----	-------	-----	-------	-----	-------

For Windows see Page 208.

For Doors see Page 210.

Building Model No.	Width	Length	7' 10" High to Eaves		9' 10" High to Eaves		11' 10" High to Eaves	
			Ship. Wt.	List Price	Ship. Wt.	List Price	Ship. Wt.	List Price
99	16' 10½"	15' 10½"	2840	\$492.20	3455	\$571.80	3880	\$618.20
910		17' 9"	3045	522.00	3690	605.60	4140	655.20
911		19' 7½"	3250	551.80	3925	639.40	4400	692.20
912		21' 6"	3455	581.60	4160	673.20	4660	729.20
913		23' 4½"	3890	679.60	4645	780.80	5200	852.40
914		25' 3"	4095	709.40	4880	814.60	5460	889.40
915		27' 1½"	4300	739.20	5115	848.40	5720	926.40
916		29' 0"	4505	769.00	5350	882.20	5980	963.40
918		32' 9"	4915	828.60	5820	949.80	6500	1037.40
921		38' 4½"	5760	986.20	6775	1125.00	7560	1234.60
924		44' 0"	6375	1075.60	7480	1226.40	8340	1345.60
930		55' 3"	7835	1322.60	9140	1503.00	10180	1653.80
936		66' 6"	9295	1569.60	10800	1779.60	12020	1962.00

For Windows see Page 208.

For Doors see Page 210.

INDUSTRIAL BUILDINGS
NO DOORS OR WINDOWS INCLUDED

Building Model No.	Width	Length	7' 10" High to Eaves		9' 10" High to Eaves		11' 10" High to Eaves	
			Ship. Wt.	List Price	Ship. Wt.	List Price	Ship. Wt.	List Price
942	16' 10 1/2"	77' 9"	10755	\$1816.60	12460	\$2056.20	13860	\$2270.20
948		89' 0"	12215	2063.60	14120	2332.80	15700	2578.40
954		100' 3"	13675	2310.60	15780	2609.40	17540	2886.60

For each additional unit of 6 panels (smaller than 6 panel units cannot be made),
add following:

11' 3"	1460	247.00	1660	276.60	1840	308.20
For each partition to eaves, add following:	369	65.10	513	83.00	612	102.00
For each partition to roof, add following:	489	106.10	633	124.00	732	143.00
Partition to roof will replace one truss and two columns if located where truss should be. When such is the case, for each partition to roof, add following:	259	37.90	393	50.20	452	56.80

For Windows see Page 208.

For Doors see Page 210.

Building Model No.	Width	Length	7' 10" High to Eaves		9' 10" High to Eaves		11' 10" High to Eaves	
			Ship. Wt.	List Price	Ship. Wt.	List Price	Ship. Wt.	List Price
1010	18' 9"	17' 9"	3410	\$564.70	4090	\$652.20	4560	\$727.60
1011		19' 7 1/2"	3630	596.10	4340	687.80	4835	766.20
1012		21' 6"	3850	627.50	4590	723.40	5110	804.80
1013		23' 4 1/2"	4345	734.50	5135	840.20	5710	937.00
1014		25' 3"	4565	765.90	5385	875.80	5985	975.60
1015		27' 1 1/2"	4785	797.30	5635	911.40	6260	1014.20
1016		29' 0"	5005	828.70	5885	947.00	6435	1052.80
1018		32' 9"	5445	891.50	6385	1018.20	7085	1130.00
1021		38' 4 1/2"	6380	1061.30	7430	1206.20	8235	1339.40
1024		44' 0"	7040	1155.50	8180	1313.00	9060	1455.20
1030		55' 3"	8635	1419.50	9975	1607.80	11035	1780.40
1036		66' 6"	10230	1683.50	11770	1902.60	13010	2105.60
1042		77' 9"	11825	1947.50	13565	2197.40	14985	2430.80
1048		89' 0"	13420	2211.50	15360	2492.20	16960	2756.00
1054		100' 3"	15015	2475.50	17155	2787.00	18935	3081.20

For each additional unit of 6 panels (smaller than 6 panel units cannot be made),
add following:

	1595	264.00	1795	294.80	1975	325.20
For each partition to eaves, add following:	410	71.20	570	91.00	680	112.00
For each partition to roof, add following:	555	118.40	715	138.20	825	159.20
Partition to roof will replace one truss and two columns if located where truss should be. When such is the case, for each partition to roof, add following:	280	42.80	420	57.00	500	65.60

For Windows see Page 208.

For Doors see Page 210.

Building Model No.	Width	Length	7' 10" High to Eaves		9' 10" High to Eaves		11' 10" High to Eaves	
			Ship. Wt.	List Price	Ship. Wt.	List Price	Ship. Wt.	List Price
1111	20' 7 1/2"	19' 7 1/2"	3755	\$622.60	4495	\$720.20	5015	\$803.60
1112		21' 6"	3975	654.80	4745	756.40	5290	843.00
1113		23' 4 1/2"	4485	766.60	5300	877.80	5905	980.00
1114		25' 3"	4705	798.80	5550	914.00	6180	1019.40
1115		27' 1 1/2"	4925	831.00	5800	950.20	6455	1058.80
1116		29' 0"	5145	863.20	6050	986.40	6730	1098.20
1118		32' 9"	5580	827.60	6550	1058.80	7280	1177.00
1121		38' 4 1/2"	6535	1103.80	7605	1252.60	8445	1392.80
1124		44' 0"	7195	1200.40	8355	1361.20	9270	1511.00
1130		55' 3"	8805	1473.20	10160	1663.60	11260	1845.00
1136		66' 6"	10415	1746.00	11965	1966.00	13250	2179.00
1142		77' 9"	12025	2018.80	13770	2268.40	15240	2513.00
1148		89' 0"	13635	2291.60	15575	2570.80	17230	2847.00
1154		100' 3"	15245	2564.40	17380	2873.20	19220	3181.00

INDUSTRIAL BUILDINGS **NO DOORS OR WINDOWS INCLUDED**

(Continued from Page 202)

For each additional unit of 6 panels (smaller than 6 panel units cannot be made),
add following:

1610	272.80	1810	302.40	1990	334.00
------	--------	------	--------	------	--------

For each partition to eaves, add following:

451	77.30	627	99.00	748	122.00
-----	-------	-----	-------	-----	--------

For each partition to roof, add following:

616	137.30	792	159.00	913	182.00
-----	--------	-----	--------	-----	--------

Partition to roof will replace one truss and two columns if located where truss should
be. When such is the case, for each partition to roof, add following:

326	57.70	482	73.80	573	84.40
-----	-------	-----	-------	-----	-------

For Windows see Page 208.

For Doors see Page 210.

Building Model No.	Width	Length	7' 10" High to Eaves		9' 10" High to Eaves		11' 10" High to Eaves	
			Ship. Wt.	List Price	Ship. Wt.	List Price	Ship. Wt.	List Price
1212	22' 6"	21' 6"	5380	\$ 901.30	6440	\$1007.30	7100	\$1089.30
1213		23' 4½"	6080	1048.60	7215	1164.60	7930	1257.80
1214		25' 3"	6350	1090.60	7520	1210.60	8270	1307.00
1215		27' 1½"	6620	1132.60	7825	1256.60	8610	1356.20
1216		29' 0"	6890	1174.60	8130	1302.60	8950	1405.40
1218		32' 9"	7430	1258.60	8740	1394.60	9630	1503.80
1221		38' 4½"	8670	1489.90	10125	1643.90	11140	1770.70
1224		44' 0"	9480	1615.90	11040	1781.90	12160	1918.30
1230		55' 3"	11530	1973.20	13340	2169.20	14690	2332.80
1236		66' 6"	13580	2330.50	15640	2556.50	17220	2747.30
1242		77' 9"	15630	2687.80	17940	2943.80	19750	3161.80
1248		89' 0"	17680	3045.10	20240	3331.10	22280	3576.30
1254		100' 3"	19730	3402.40	22540	3718.40	24810	3990.80

For each additional unit of 6 panels (smaller than 6 panel units cannot be made),
add following:

11' 3"	2050	357.30	2300	387.30	2530	414.50
--------	------	--------	------	--------	------	--------

For each partition to eaves, add following:

492	83.40	684	107.00	816	132.00
-----	-------	-----	--------	-----	--------

For each partition to roof, add following:

822	178.00	1014	201.60	1146	226.60
-----	--------	------	--------	------	--------

For Windows see Page 208.

For Doors see Page 210.

Building Model No.	Width	Length	7' 10" High to Eaves		9' 10" High to Eaves		11' 10" High to Eaves	
			Ship. Wt.	List Price	Ship. Wt.	List Price	Ship. Wt.	List Price
1313	24' 4½"	23' 4½"	6510	\$1116.60	7640	\$1235.60	8360	\$1333.60
1314		25' 3"	6790	1160.00	7965	1283.00	8700	1384.20
1315		27' 1½"	7070	1203.40	8280	1330.40	9040	1434.80
1316		29' 0"	7350	1246.80	8600	1377.80	9380	1485.40
1318		32' 9"	7910	1333.60	9240	1472.60	10060	1586.60
1321		38' 4½"	9235	1579.60	10725	1736.60	11625	1868.20
1324		44' 0"	10075	1709.80	11185	1878.80	12645	2020.00
1330		55' 3"	12240	2086.00	14130	2285.00	15230	2453.40
1336		66' 6"	14405	2462.20	16575	2691.20	17815	2886.80
1342		77' 9"	16570	2838.40	19020	3097.40	20400	3320.20
1348		89' 0"	18735	3214.60	21465	3503.60	22985	3753.60
1354		100' 3"	20900	3590.80	23910	3909.80	22570	4187.00

For each additional unit of 6 panels (smaller than 6 panel units cannot be made),
add following:

11' 3"	2165	376.20	2445	406.20	2585	433.40
--------	------	--------	------	--------	------	--------

For each partition to eaves, add following:

533	89.50	741	115.00	884	142.00
-----	-------	-----	--------	-----	--------

For each partition to roof, add following:

898	193.50	1106	219.00	1249	246.00
-----	--------	------	--------	------	--------

For Windows see Page 208.

For Doors see Page 210.



INDUSTRIAL BUILDINGS
NO DOORS OR WINDOWS INCLUDED

Building Model No.	Width	Length	7' 10" High to Eaves		9' 10" High to Eaves		11' 10" High to Eaves	
			Ship. Wt.	List Price	Ship. Wt.	List Price	Ship. Wt.	List Price
1414	26' 3"	25' 3"	8891	\$1585.78	10229	\$1730.30	11054	\$1852.32
1415		27' 1 1/2"	9210	1635.54	10584	1784.64	11439	1909.60
1416		29' 0"	9529	1685.30	10939	1838.98	11824	1966.88
1418		32' 9"	10167	1784.82	11649	1947.66	12594	2081.44
1421		38' 4 1/2"	11693	2066.28	13324	2249.06	14379	2399.76
1424		44' 0"	12650	2215.56	14389	2412.08	15534	2571.60
1430		55' 3"	15133	2646.30	17129	2876.50	18474	3061.76
1436		66' 6"	17616	3077.04	19869	3340.92	21414	3551.92
1442		77' 9"	20099	3507.78	22609	3805.34	24354	4042.08
1448		89' 0"	22582	3938.52	25349	4269.76	27294	4532.24
1454		100' 3"	25065	4369.26	28089	4734.18	30234	5022.40

For each additional unit of 6 panels (smaller than 6 panel units cannot be made),
add following:

11' 3" 2482 430.80 2738 464.40 2943 490.20

For each partition to eaves, add following:

574 95.60 798 123.00 952 152.00

For each partition to roof, add following:

974 209.00 1198 236.40 1352 265.40

For Windows see Page 208.

For Doors see Page 210.

Building Model No.	Width	Length	7' 10" High to Eaves		9' 10" High to Eaves		11' 10" High to Eaves	
			Ship. Wt.	List Price	Ship. Wt.	List Price	Ship. Wt.	List Price
1515	28' 1 1/2"	27' 1 1/2"	9738	\$1730.10	11137	\$1884.92	12013	\$2015.20
1516		29' 0"	10068	1781.50	11512	1940.76	12414	2074.36
1518		32' 9"	10728	1884.30	12262	2052.44	13216	2192.68
1521		38' 4 1/2"	12343	2181.46	14053	2369.12	15106	2527.42
1524		44' 0"	13333	2335.66	15178	2536.64	16309	2704.90
1530		55' 3"	15938	2787.02	18094	3020.84	19402	3217.12
1536		66' 6"	18543	3238.38	21010	3505.04	22495	3729.34
1542		77' 9"	21148	3689.74	23926	3989.24	25588	4241.56
1548		89' 0"	23753	4141.10	26842	4473.44	28681	4743.78
1554		100' 3"	26358	4592.46	29758	4957.62	31774	5266.00

For each additional unit of 6 panels (smaller than 6 panel units cannot be made),
add following:

2600 451.38 2918 484.14 3092 512.18

For each partition to eaves, add following:

615 101.70 855 131.00 1020 162.00

For each partition to roof, add following:

1045 224.70 1285 254.00 1450 285.00

For Windows see Page 208.

For Doors see Page 210.

Building Model No.	Width	Length	7' 10" High to Eaves		9' 10" High to Eaves		11' 10" High to Eaves	
			Ship. Wt.	List Price	Ship. Wt.	List Price	Ship. Wt.	List Price
1616	30' 0"	29' 0"	11019	\$1916.96	12491	\$2082.14	13510	\$2220.16
1618		32' 9"	11749	2027.72	13313	2201.34	14374	2345.96
1621		38' 4 1/2"	13531	2348.72	15274	2541.20	16418	2703.82
1624		44' 0"	14626	2514.86	16507	2720.00	17714	2892.52
1630		55' 3"	17503	3002.00	19701	3238.66	21053	3439.08
1636		66' 6"	20380	3489.14	22895	3757.32	24394	3985.64
1642		77' 9"	23257	3976.28	26089	4275.98	27734	4532.20
1648		89' 0"	26134	4463.42	29283	4794.64	31074	5078.76
1654		100' 3"	29011	4950.56	32477	5313.30	34414	5624.32

For each additional unit of 6 panels (smaller than 6 panel units cannot be made),
add following:

11' 3" 2938 487.50 3255 518.98 3399 546.90

For each partition to eaves, add following:

656 107.80 912 139.00 1088 172.00

For each partition to roof, add following:

1126 241.80 1382 273.00 1558 306.00

For Windows see Page 208.

For Doors see Page 210.

MARION DUPLEX BUILDINGS

MADE OF TWO SEVEN-PANEL WIDE BUILDINGS WITH GUTTER BETWEEN

Building Model No.	Width	Length	7' 10" High to Eaves		9' 10" High to Eaves		11' 10" High to Eaves	
			Ship. Wt.	List Price	Ship. Wt.	List Price	Ship. Wt.	List Price
D1418	27' 2½"	32' 9"	7430	\$1085.60	9170	\$1292.40	10010	\$1458.80
D1424		44' 0"	9410	1368.80	11570	1626.00	12650	1835.60
D1430		55' 3"	11380	1652.00	13970	1959.60	15290	2212.40
D1436		66' 6"	13370	1935.20	16370	2293.20	17930	2589.20
D1442		77' 9"	15350	2218.40	18770	2626.80	20570	2966.00
D1448		89' 0"	17330	2501.60	21170	2960.40	23210	3342.80
D1454		100' 3"	19310	2784.80	23570	3294.00	25850	3719.60

For each additional unit of 6 panels (smaller than 6 panel units cannot be made),
add following:

11' 3" 1980 283.20 2400 33.60 2640 376.80

For Doors see Page 210. For Windows see Page 208.

For Details see Pages 208-214.

SINGLE CAR GARAGES

PRICE INCLUDES ONE PLAIN DOUBLE DOOR, NO WINDOWS

Model	Width	Depth	Height	Door Clear		Shipping Weight	List Price
				Width	Height		
57	9' 4½"	12' 1½"	7' 10"	7' 3"	7' 5¼"	1645	\$292.80
58		14' 0"				1795	314.60
59		15' 10½"				1945	336.40
510		17' 9"				2095	358.20
511		19' 7½"				2245	380.00
512		21' 6"				2395	401.80

Note: Plain doors are already included. If glazed doors are desired, proceed as following:
From net cost of garage taken from above, deduct net cost of plain double door. Then add net
cost of glazed double door.

For Windows see Page 208.

For Doors see Page 210.

MULTIPLE CAR GARAGE

PRICE INCLUDES PLAIN DOUBLE DOORS, NO WINDOWS

Model	Car No. Of	Spaces or Width	Stalls Depth	Door Clear		Size of Width	Building Length	Height to eaves	Ship. Wt.	List Price
				Width	Height					
711	2	9' 9¾"	13' 1½"	7' 3"	7' 5¼"	13' 1½"	19' 7½"	7' 10"	2800	\$491.60
811	2		15' 0"			15' 0"			3185	562.80
911	2		16' 10½"			16' 10½"			3490	665.80
1011	2		18' 9"			18' 9"			3870	710.00
1111	2		20' 7½"			20' 7½"			3995	736.60
716	3	9' 4½"	13' 1½"			13' 1½"	29' 0"		3745	666.60
816	3		15' 0"			15' 0"			4770	887.00
916	3		16' 10½"			16' 10½"			4865	940.00
1016	3		18' 9"			18' 9"			5365	999.80
1116	3		20' 7½"			20' 7½"			5505	1034.20
721	4		13' 1½"			13' 1½"	38' 4½"		4690	841.60
821	4		15' 0"			15' 0"			5915	1080.90
921	4		16' 10½"			16' 10½"			6240	1214.20
1021	4		18' 9"			18' 9"			6860	1289.20
1121	4		20' 7½"			20' 7½"			7015	1331.80
726	5		13' 1½"			13' 1½"	47' 9"		5635	1016.60
826	5		15' 0"			15' 0"			7280	1340.00
926	5		16' 10½"			16' 10½"			7615	1488.40
1026	5	9' 4½"	18' 9"	7' 3"	7' 5¼"	18' 9"	47' 9"	7' 10"	8355	1578.80
1126	5		20' 7½"			20' 7½"			8525	1629.40
731	6		13' 1½"			13' 1½"	57' 1½"		6580	1191.60
831	6		15' 0"			15' 0"			8645	1599.10
931	6		16' 10½"			16' 10½"			8990	1762.60
1031	6		18' 9"			18' 9"			9850	1868.40
1131	6		20' 7½"			20' 7½"			10035	1927.00
736	7		13' 1½"			13' 1½"	66' 6"		7525	1366.60
836	7		15' 0"			15' 0"			10010	1858.20
936	7		16' 10½"			16' 10½"			10365	2036.80
1036	7		18' 9"			18' 9"			11345	2158.00
1136	7		20' 7½"			20' 7½"			11545	2224.60

MULTIPLE CAR GARAGE
PRICE INCLUDES PLAIN DOUBLE DOORS, NO WINDOWS

Model	Car No. Of	Spaces or Width	Stalls Depth	Door Width	Clear Height	Size of Width	Building Length	Height to eaves	Ship. Wt.	List Price
741	8		13' 1½"			13' 1½"	75' 10½"		8470	\$1541.60
841	8		15' 0"			15' 0"			11375	2117.30
941	8		16' 10½"			16' 10½"			11740	2311.00
1041	8		18' 9"			18' 9"			12840	2447.60
1141	8		20' 7½"			20' 7½"			13055	2522.20
746	9	9' 4½"	13' 1½"	7' 3"	7' 5¼"	13' 1½"	85' 3"	7' 10"	9415	1716.60
846	9		15' 0"			15' 0"			12740	2376.40
946	9		16' 10½"			16' 10½"			13115	2585.20
1046	9		18' 9"			18' 9"			14335	2737.20
1146	9		20' 7½"			20' 7½"	94' 7½"		14565	2819.80
751	10		13' 1½"			13' 1½"			10360	1891.60
851	10		15' 0"			15' 0"			14105	2635.50
951	10		16' 10½"			16' 10½"			14490	2859.40
1051	10		18' 9"			18' 9"			15830	3026.80
1151	10		20' 7½"			20' 7½"			16075	3117.40
For Each Additional Stall Add Following:										
7		9' 4½"		7' 3"	7' 5½"				945	175.00
8									1365	259.10
9									1375	274.20
10									1495	289.60
11									1510	297.60

For Garages over 7 panels deep a truss and two columns or a partition to roof must be placed between each stall. Above prices and weight include trusses, if partitions are desired, proceed in manner explained on page 202.
For Windows see Page 208. For Doors see Page 210.

SINGLE TRUCK GARAGE
PRICE INCLUDES ONE PLAIN DOUBLE DOOR, NO WINDOWS

Model	Width	Depth	Height	Door Width	Clear Height	Shipping Weight	List Price
67	11' 3"	12' 1½"	9' 10"	9' 1½"	9' 5¼"	2510	\$444.40
68		14' 0"				2710	471.80
69		15' 10½"				2910	499.20
610		17' 9"				3110	526.60
611		19' 7½"				3310	554.00
612		21' 6"				3510	581.40
613		23' 4½"				3710	608.80
614		25' 3"				3910	636.20

Note: Plain doors are already included. If glazed doors are desired, proceed as following: From net cost of garage taken from above, deduct net cost of plain double door. Then add net cost of glazed double door.
For Windows see Page 208. For Doors see Page 210.

MULTIPLE TRUCK GARAGE
PRICE INCLUDES PLAIN DOUBLE DOORS, NO WINDOWS

Model	Truck No. Of	Spaces or Width	Stalls Depth	Door Width	Clear Height	Size of Width	Building Length	Height to eaves	Ship. Wt.	List Price
813	2	11' 8¼"	15' 0"	9' 1½"	9' 5¼"	15' 0"	23' 4½"	9' 10"	4825	\$ 911.50
913	2		16' 10½"			16' 10½"			4945	959.00
1013	2		18' 9"			18' 9"			5390	1011.00
1113	2		20' 7½"			20' 7½"			5550	1044.60
819	3	11' 3"	15' 0"			15' 0"	34' 7½"		6750	1296.60
919	3		16' 10½"			16' 10½"			6880	1361.60
1019	3		18' 9"			18' 9"			7460	1431.80
1119	3		20' 7½"			20' 7½"			7635	1473.00
825	4		15' 0"			15' 0"	45' 10½"		8675	1681.70
925	4		16' 10½"			16' 10½"			8815	1764.20
1025	4		18' 9"			18' 9"			9530	1852.60
1125	4		20' 7½"			20' 7½"			9720	1901.40
831	5		15' 0"			15' 0"	57' 1½"		10600	2066.80
931	5		16' 10½"			16' 10½"			10750	2166.80

MULTIPLE TRUCK GARAGE

PRICE INCLUDES PLAIN DOUBLE DOORS, NO WINDOWS

Model	Truck No. Of	Spaces or Width	Stalls Depth	Door Width	Clear Height	Size of Building Width	Length	Height to eaves	Ship. Wt.	List Price
1031	5		18' 9"			18' 9"			11600	2273.40
1131	5		20' 7½"			20' 7½"			11805	2329.80
837	6		15' 0"			15' 0"	68' 4½"		12525	2451.90
937	6		16' 10½"			16' 10½"			12685	2569.40
1037	6	11' 3"	18' 9"	9' 1½"	9' 5¼"	18' 9"	68' 4½"	9' 10"	13670	2694.20
1137	6	11' 3"	20' 7½"			20' 7½"			13890	2758.20
843	7		15' 0"			15' 0"	79' 7½"		14450	2837.00
943	7		16' 10½"			16' 10½"			14620	2972.00
1043	7		18' 9"			18' 9"			15740	3115.00
1143	7		20' 7½"			20' 7½"			15975	3186.60
849	8		15' 0"			15' 0"	90' 10½"		16375	3222.10
949	8		16' 10½"			16' 10½"			16555	3374.60
1049	8		18' 9"			18' 9"			17810	3535.80
1149	8		20' 7½"			20' 7½"			18060	3615.00
855	9		15' 0"			15' 0"	102' 1½"		18300	3607.20
955	9		16' 10½"			16' 10½"			18490	3777.20
1055	9		18' 9"			18' 9"			19880	3956.60
1155	9		20' 7½"			20' 7½"			20145	4043.40
861	10		15' 0"			15' 0"	113' 4½"		20225	3992.30
961	10		16' 10½"			16' 10½"			20425	4179.80
1061	10		18' 9"			18' 9"			21950	4377.40
1161	10		20' 7½"			20' 7½"			22230	4471.80
For Each Additional Stall Add Following:										
8		11' 3"		9' 1½"	9' 5¼"			9' 10"	1925	\$385.10
9									1935	402.60
10									2070	420.80
11									2085	428.40

Either a truss and two columns or a partition to roof must be placed between each stall. The above weights and prices include trusses. If partitions are desired, see page 202. On the last line of figures found on pages 200 to 204 under the 9' 10" Height to Eaves column, find weight and price on each partition to replace truss. Multiply figure found by one less than number of stalls and add to figures found on pages 205, 206 and 207.

To find price and weight of 10 Truck Garage 15' 0" deep with partitions. See page 201, under 9' 10" High column. You will find

306 pounds shipping weight and
9 times for ten stalls

\$ 38.90 list price
9 times for ten stalls

2754 difference between truss and part
20225 shipping weight as listed

350.10 difference
3992.30 price Model 861 Garage as listed

22979 lbs. shipping weight.

\$4342.40 List price of a Model 861 ten truck garage with partitions.

Plain Double Doors are included. If glazed doors are desired, proceed as follows:

From list price and weight of Garages, taken from pages 205, 206 and 207, subtract weight and price of plain doors found on page 210. Then add weight and price of glazed double doors for weight and cost of Garage.

For windows, see Page 208.

For Doors, see Page 210.

FILLING STATION

LEAN-TO

Model	Size A	B	Weight	Windows		List Price
66	11' 3"	10' 3"	4300	2 9-Lt. Stat.	2 15-Lt. Vent.	\$ 888.00
67		12' 1½"	4700	2 12-Lt. Stat.	Do	966.00
68		14' 0"	5000	Do	Do	1022.00
76	13' 1½"	10' 3"	4400	2 9-Lt. Stat.	Do	910.00
77		12' 1½"	4900	2 12-Lt. Stat.	Do	988.00
78		14' 0"	5200	Do	Do	1044.00
86	15' 0"	10' 3"	4600	2 9-Lt. Stat.	Do	966.00
87		12' 1½"	5100	2 12-Lt. Stat.	Do	1048.00
88		14' 0"	5500	Do	Do	1108.00

The above prices are for either the two-post Canopy or the single post Canopy.

9-, 12- and 15-light windows have 14"x20" clear glass.

Two standard windows (2-lts. 14"x18" Rough Wire Glass) included in above price.

One service door (33"x6' 6") with clear glass included in above price.

Material: Side Walls—22 ga. Galvanized. Roof—24 ga. Galvanized.

Prices on other models will be furnished upon request.

If Anti-Room is desired, add \$100.00 to above prices.

**FILLING STATION
GABLE CANOPY**

Model	Size A	B	Weight	Windows	List Price
66	11' 3"	10' 9"	4100	2 9-Lt. Stat.	2 15-Lt. Vent. \$ 868.00
67		12' 7½"	4300	Do	Do 896.00
68		14' 6"	4500	Do	Do 922.00
76	13' 1½"	10' 9"	4400	2 12-Lt. Stat	Do 922.00
77		12' 7½"	4600	Do	Do 950.00
78		14' 6"	4800	Do	Do 978.00
86	15' 0"	10' 9"	4800	Do	Do 1032.00
87		12' 7½"	5100	Do	Do 1062.00
88		14' 6"	5400	Do	Do 1094.00

SPACING AND PLACING OF WINDOWS

Standard 2-lt. window 18"x28" (each light 14"x18"—Page 209) can be placed anywhere in building wall, being interchangeable with stationary wall panel. See Fig. 406.

Standard 6-lt. window (each light 11"x15"—Page 209) can be placed anywhere in building wall where two standard wall panels will fit with the exception of a panel where truss column will interfere. See Fig. 407.

9- and 12-lt. fenestra sash (each light 14"x20"—Page 209) can be placed anywhere in building wall where three standard wall panels will fit with the exception of a panel where truss column will interfere. See Fig. 400.

15-lt. fenestra sash (each light 14"x20"—Page 209) can be placed anywhere in building wall where four standard wall panels will fit with the exception of panels where truss column will interfere.

WINDOWS

Type	Fills	Weight	List Price	Type	Fills	Weight	List Price
2-Light 18" x 28"	1 Sec.	40	\$ 8.00	12 Stat.	3 Sec.	165	\$58.00
6-Light Top.Hg.	2 Sec.	60	25.80	12 Vent.	3 Sec.	165	66.00
9-Light Stat.	3 Sec.	110	47.00	15 Stat.	4 Sec.	220	64.00
9-Light Vent.	3 Sec.	110	55.00	15 Vent.	4 Sec.	220	72.00

MARION SMOKE JACK

Standard 6-inch diameter Smoke Jack not more than 48" long.
Shipping Weight, 25 pounds. List Price, \$20.00.

MARION WALL BOARD SPACERS

When spacers are required for walls only, proceed as follows: Add length of building, in panels, to width of buildings, in panels, and multiply by:

\$1.90 for buildings 7' 10" high,
2.10 for buildings 9' 10" high,
2.30 for buildings 11' 10" high.

Example—

To find Wall Board Spacers for walls only of a Model 1118 Building 9' 10" high—18 panels plus 11 panels equals 29 panels. Multiplied by \$2.10 equals \$60.90. List Price.

When spacers are required for walls and ceiling proceed as follows: Add length of building, in panels, to width of building, in panels, and multiply by base figure corresponding to panel width of building.

Example—

To find Wall Board Spacers for Walls and Ceiling of a Model 1118 Building 9' 10" high—18 panels plus 11 panels equals 29 panels. Multiplied by \$6.90 equals \$200.10 List Price.

Building width of	7' 10" Height to Eaves	9' 10" Height to Eaves	11' 10" Height to Eaves
4 to 8 panels wide	3.70	4.20	4.60
9 panels wide	5.80	6.00	6.20
10	6.20	6.50	6.70
11	6.70	6.90	7.20
12	7.20	7.40	7.60
13	7.60	7.80	8.10
14	8.10	8.30	8.50
15	8.50	8.70	8.80
16	8.80	9.00	9.20

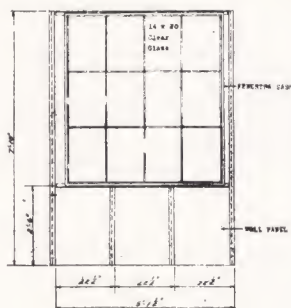


Fig. 400
Wall Section With 12-Lt. Fenestra Sash
7' 10" High
Stationary or Ventilating.

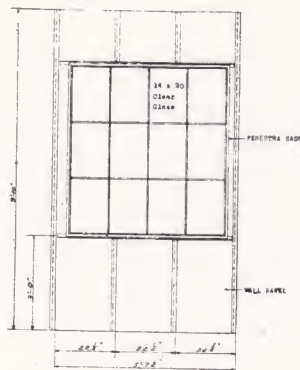


Fig. 401
Wall Section With 12-Lt. Fenestra Sash
9' 10" High
Stationary or Ventilating.

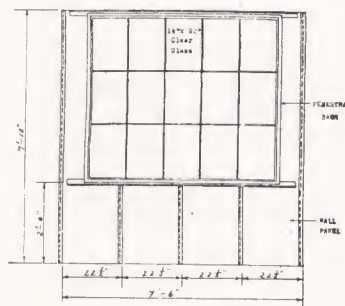


Fig. 402
Wall Section With 15-Lt. Fenestra Sash
7' 10" High
Stationary or Ventilating.

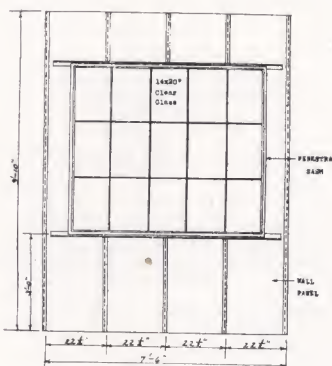


Fig. 403
Wall Section With 15-Lt. Fenestra Sash
9' 10" High
Stationary or Ventilating.

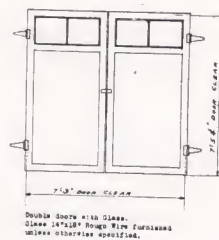


Fig. 404
Standard Doors For Buildings
7' 10" High

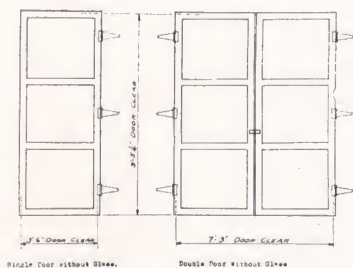


Fig. 405
Standard Doors For Buildings
9' 10" High

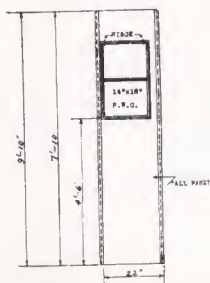


Fig. 406
Standard Window Panels
7' 10" and 9' 10" High

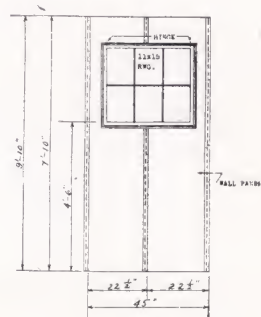


Fig. 407
Wall Section 7' 10" High
And 9' 10" High With
6-Lt. Window.

SIZE OF DOORS—SWING TYPE

Single doors are made to replace $1\frac{1}{2}$ panels and 2 panels.

$1\frac{1}{2}$ panel door is made in one size only; i. e., 33" wide and 6' 6" high with a door clearance of $30\frac{3}{4}$ " wide x 6' $5\frac{1}{4}$ " high.

2 panel doors are made in one width, 44 $\frac{3}{8}$ " wide and two heights, 7' 6" and 9' 6", with a door clearance of 42" wide and 7' $5\frac{1}{4}$ " and 9' $5\frac{1}{4}$ " high respectively.

Double doors are made in two widths to replace four panels and five panels.

Four panel doors are made in three heights: 7' 6" and 9' 6" and 11' 6" and have a clearance of 7' 3" wide x 7' $5\frac{1}{4}$ ", 9' $5\frac{1}{4}$ " and 11' $5\frac{1}{4}$ " high respectively.

Five panel doors are made in two heights, 9' 6" x 11' 6" and have a clearance of 9' $1\frac{1}{2}$ " wide x 9' $5\frac{1}{4}$ " and 11' $5\frac{1}{4}$ " respectively.

All the above doors are made either plain or glazed.

Standard glass furnished will be rough wire glass, $\frac{1}{4}$ " thick. This will always be furnished unless otherwise specified. (Clear glass at same price.)

For placing of doors, see below.

For Door Hardware, see below.

SINGLE DOORS—(SWINGING)

Panels Replaced	Width	Height	Weight	List Price Plain	List Price Glazed
$1\frac{1}{2}$	33"	6' 6"	47	\$41.00	\$54.00
2	45"	7' 6"	47	41.00	54.00
2	45"	9' 6"	66	56.00	

DOUBLE DOORS—(SWINGING)

Panels Replaced	Width	Height	Weight	List Price Plain	List Price Glazed
4	7' 3"	7' 6"	120	\$ 57.00	\$ 83.40
4		9' 6"	180	80.00	106.40
5	9' $1\frac{1}{2}$ "	9' 6"	275	126.00	157.50
5		11' 6"	330	147.00	178.50

PLACING OF DOORS

Doors can be placed anywhere in buildings having no trusses and columns, providing there are enough panels to right or left of a corner, to admit the size of door required. See Sketch "A" below.

Doors in buildings requiring trusses with columns must be placed in bays so as to clear truss columns. See Sketch "B."

In order to do this, at least a quarter panel must be between the door jamb and center line of column. That is, a four panel wide door must be placed in a bay of at least $4\frac{1}{2}$ panels wide; a five panel door must be placed in a bay of at least $5\frac{1}{2}$ panels wide.

End bays for same size door must be just one panel larger than above, but size of bay will be 6" shorter than nominal panel length.

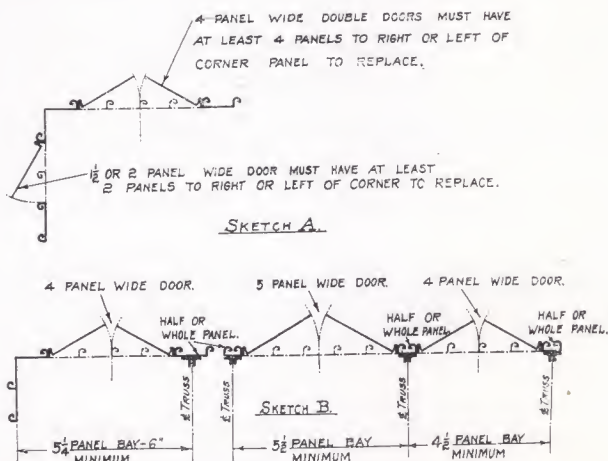


Fig. 408

NEW CONSTRUCTION DOOR HARDWARE

Single and double doors will be furnished with hasp, staple and hand grips with the exception of filling station door. This is to be equipped with Russwin lock and thumb latch.

If Russwin lock is required, add \$4.00 to list price of door.

If latch is required, add \$2.50 to list price of door.

This applies to door prices shown on page 210.

GASOLINE STATION (Two Post Lean-to Type.)

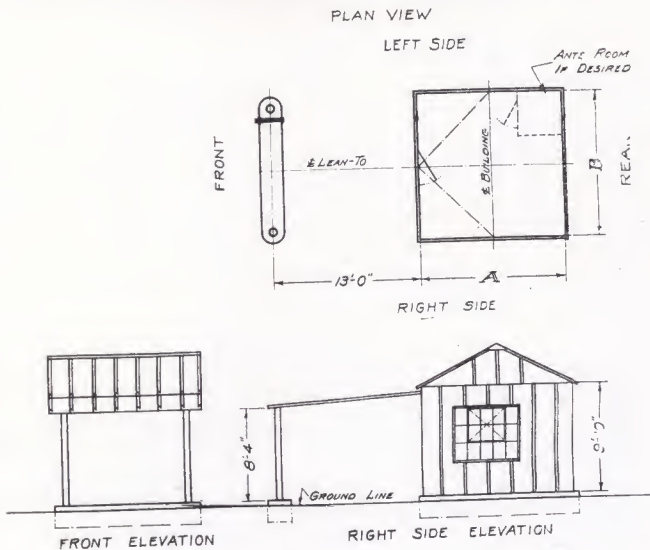


Fig. 409

Marion Metal Building Specifications

Front Wall—Two 12-light stationary sash and one glazed service door. When "B" is 6 panels (11' 3") long, nine light stationary fenestra sash is furnished.
Side Walls—One 15-light ventilating fenestra sash on each side.

Rear Wall—Two 2-light ventilating sash.

Note—Two light ventilating sash contains two lights 14" x 18" rough wire glass.

Note—All fenestra sash glass 14" x 20" clear.

GASOLINE STATION (One Post Lean-to Type)

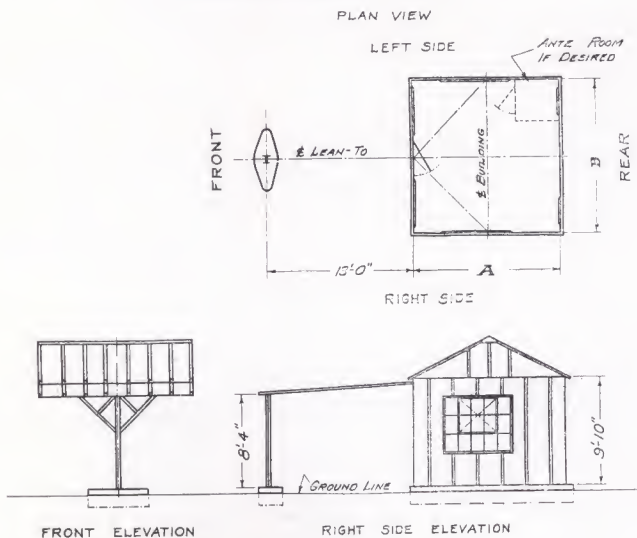


Fig. 410

Marion Metal Building Specifications

Front Wall—Two 12-light stationary fenestra sash and one glazed service door. When "B" is 6 panels (11' 3") long, 9 light stationary fenestra sash is furnished.
Side Walls—One 15-light ventilating fenestra sash on each side.

Rear Wall—Two 2-light ventilating sash.

Note—Two light ventilating sash contains two lights 14"x18" rough wire glass.

Note—All fenestra sash glass 14" x 20" plain.

GASOLINE STATION (Two Post Gable Canopy Type)

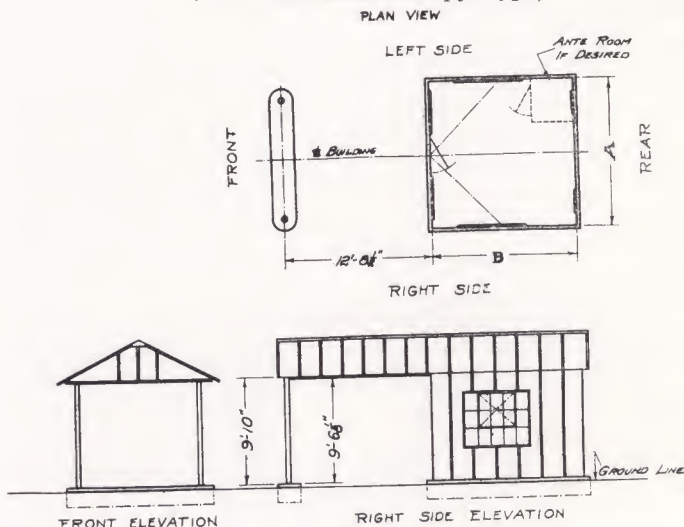


Fig. 411

Marion Metal Building Specifications

Front Wall—Two 12-light stationary fenestra sash and one glazed service door. When "A" is 6 panels (11' 3") long, 9-light stationary fenestra is furnished.

Side Walls—One 15-light ventilating fenestra sash on each side.

Rear Wall—Two 2-light ventilating sash.

Note—Two light ventilating sash contains two lights 14"x18" rough wire glass.

Note—All fenestra sash glass 14" x 20" clear.

GASOLINE STATION (One Post Gable Canopy Type)

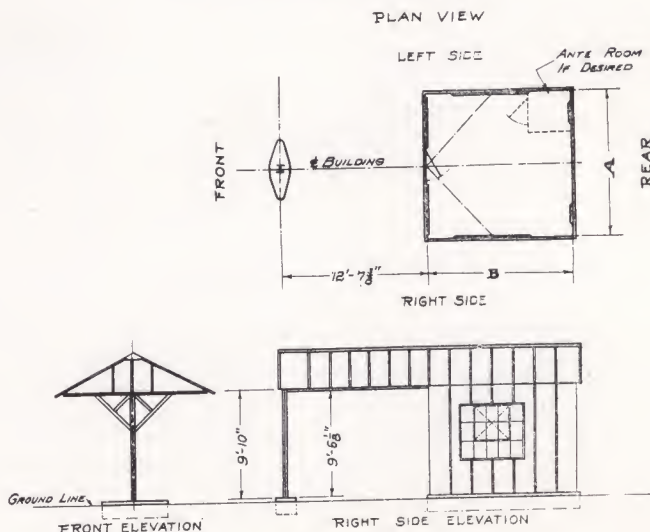


Fig. 412

Marion Metal Buildings Specifications

Front Wall—Two 12-light stationary fenestra sash and one glazed service door. When "A" panels (11' 3") long, 9 light stationary fenestra sash is furnished.

Side Walls—One 15-light ventilating fenestra sash on each side.

Rear Wall—Two 2-light ventilating sash.

Note—Two light ventilating sash contains 2 lights 14"x18" rough wire glass.

Note—All fenestra sash glass 14"x20" clear.

DETAILS OF CONSTRUCTION

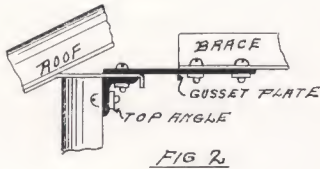


Fig. 413
Section on Side Wall

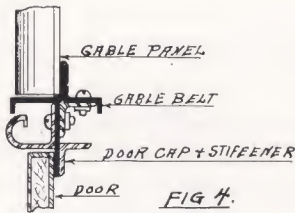


Fig. 414
Section Over Door at Gable End

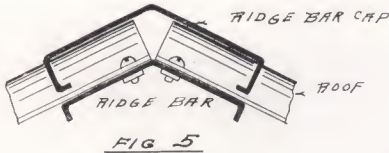


Fig. 415
Section Through Ridge Bar

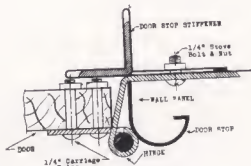


Fig. 416
Section Through Door and Door Stop at Hinge

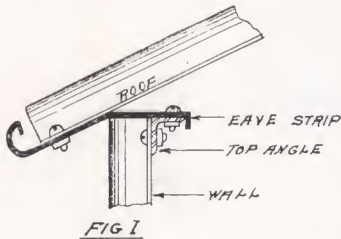


Fig. 417
Section Through Eave Strip

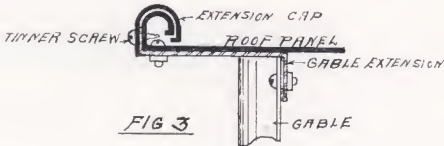


Fig. 418
Section at Top of Gable Showing Roof Extension

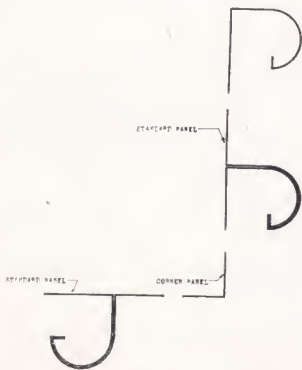


Fig. 419
Marion Lock Joint

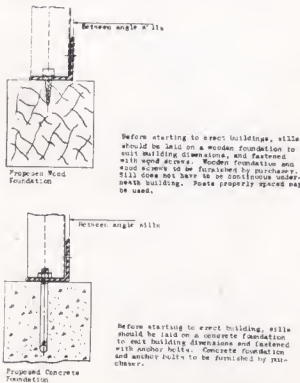


Fig. 420
Proposed Wood and Concrete Foundations for New Style Buildings

DETAILS OF CONSTRUCTION

SIZE OF BAYS AND SPACING OF TRUSSES

All buildings will be divided into bays. Bays of 5 panels equal $9' 4\frac{1}{2}"$; five and a half panels equal $10' 3\frac{3}{4}"$; and six panels equal $11' 3"$, except buildings with two bays, and the first and last bay of all buildings.

These bays are 6" shorter than their nominal size; i. e., 5 panel bay at end is $8' 10\frac{1}{2}"$ instead of $9' 4\frac{1}{2}"$, etc. See sketch below.

Bays are spaced off with either tie rods or trusses with columns.

All buildings less than 8 panels wide require tie rods only. Buildings 8 panels wide and less than 12 panels long require tie rods only. All buildings larger than above specified require trusses.

Buildings 14 panels wide and over require an additional truss at each gable end.

Buildings can be carried on indefinitely in length with above spacing but are limited in width to 16 panels. (30' 0").

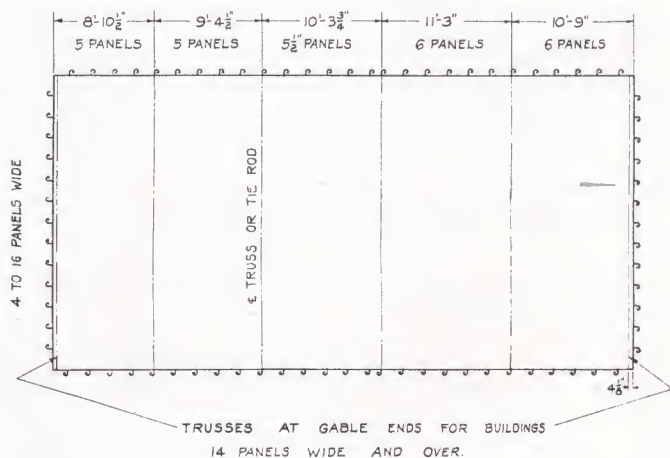


Fig. 421

Section Showing Column Connection to Sill and to Wall Panel

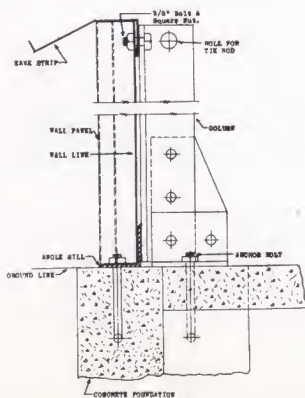


Fig. 422

Section Showing Truss Connections

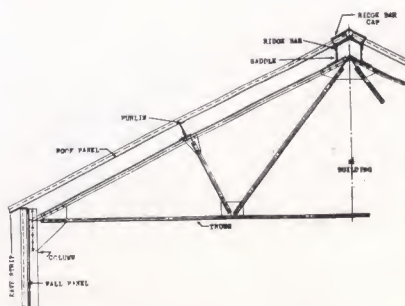


Fig. 423

MARION ROTARY VENTILATORS

Ventilators can be furnished in any size up to and including 18" and are placed approximately 8" from ridge on either side of building. These ventilators are set into a standard roof panel.

Size	Weight	List Price	Size	Weight	List Price
12	60	\$36.00	16	100	\$58.50
14	80	48.80	18	135	72.00

MARION METAL ENGINE HOUSE

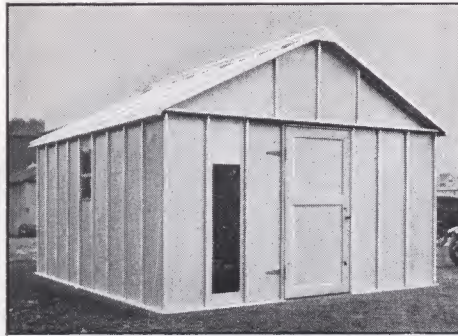


Fig. 425

The Marion Metal Engine House is furnished with one double door, one single door, 2-18" x 28" windows and one belt slot panel.

	Weight	List Price
No. 89—Engine House, 15' wide x 15' 10½" long, 7' 10" high to eaves with 2 windows and 1 double door.....	2782	\$636.00
No. 810—Engine House, 15' wide x 7' 9" long, 7' 10" high to eaves with 2 windows, 1 single and 1 double door.....	2987	671.00
No. 910—Engine House, 16' 10½" wide x 17' 9" long, 7' 10" high to eaves with 2 windows, 1 single and 1 double door.....	3292	775.00

MARION METAL BUILDINGS

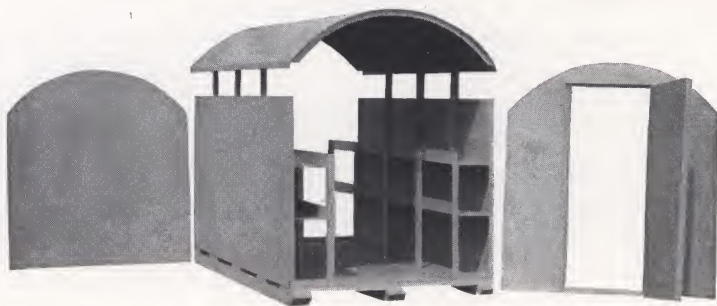


Fig. 426

MARION PORTABLE TOOL SAFE — (Knocked Down Type)

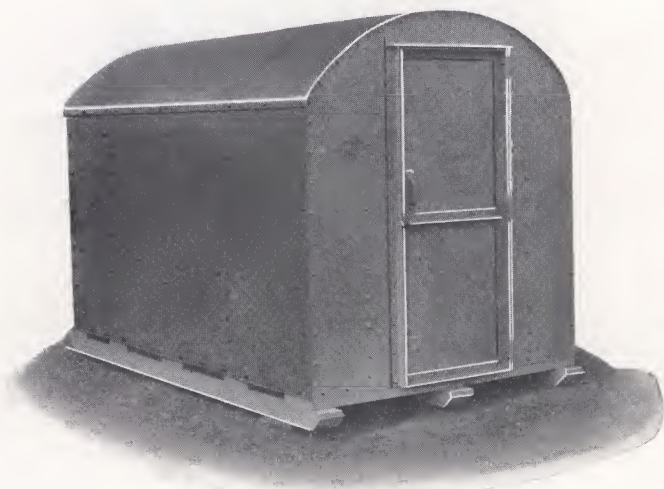


Fig. 427

MARION PORTABLE TOOL SAFE—(Set Up.)

DIMENSIONS

Length	9 feet, 10 inches
Width	5 feet, 11 inches
Height to Center	6 feet, 6 inches
Height to Eve	5 feet
Height of Door	5 feet, 10 inches
Width of Door	28 inches
Made of 16 guage steel.	
Weight, 2170 lbs.	
List Price	\$365.00



